

Approved entire  
substitute specification.  
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2/7/05 COVER SUPPORT STRUCTURE OF SHIELD CASE



## BACKGROUND OF THE INVENTION

### 1. Field of the Invention

The present invention relates to a structure for turning upright and supporting stably an openable cover of a shield case of electrical and electronic appliances in an open state.

### 2. Related Art

Electric and electronic appliances have various kinds of electric and electronic circuits assembled therein and these circuits are shielded lest noise enters from an external electric or magnetic field. Shielding methods include a method that covers the appliance as a whole with a shield case and a method that covers individual components. The invention is directed to the former, that is, the method capable of covering the appliance as a whole.

The shield case is a kind of sealed container formed of a metal sheet capable of shielding the electric or magnetic field. The shield case accommodates therein electronic and electric appliances. To produce, repair and conduct maintenance of the appliance, a cover fitted openably to a case main body is opened. Conventionally, the cover has been detachably set to the case main body with screws and after the screws are removed, the cover is separated from the case main body and is put nearby.

JP-A-2000-56052 describes a "Shield Case" having a structure in which a cover is detachable from a case main body and is fitted in such a fashion as to be capable of being opened and closed relative to a shaft as a center and maintenance and repair can be conducted while the cover is open without being separated from the case main body. In other words, according to this shield case, "the cover is allowed by anchor means to shift between a closed state and an open state relative to the case main body and to be detachable. When the cover is under the closed state, engagement means anchors the cover to the case main body".

The cover can be opened and closed with its center positioned at an engagement portion between a projection formed at a rear part of the case main